



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

RBT112800-1
Job Sheet 170701



Part No: RBT112800-1

Job Qty: 6 ea

Part Name: Base



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/18/18

Job Tracking No:

Due Date: 1/26/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG RBT112800 Rev 3A IPP Rev A 18.01.12 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
90	Start up Operation	6 Ea		1/25/18	0.00	0.00	Start Up Machining		
110	Mori Seiki	6 pcs		1/26/18	0.00	12.00	MORI SL2500Y		
120	QC	6 pcs		1/26/18	0.00	0.00	QC2-2		
130	QC	6 pcs		1/26/18	0.00	0.00	QC8		
150	Outsource	6 pcs		1/26/18	0.00	0.00	Outsource4		
160	Packaging	6 pcs		1/26/18	0.00	0.00	Packaging2		
170	QC	6 pcs		1/26/18	0.00	0.00	QC6		
180	Packaging	6 pcs		1/26/18	0.00	0.00	Packaging3-1		
190	QC21-SA	6 Ea		1/26/18	0.00	0.00	QC21		

Part Op 110 - 1-Machine as per folio FB745 FOLIO REV: _____ DWG REV: _____ 2-Deburr 3-Engrave T/N

Descriptions: And / or S/N number as required Using Marktronic engraver as per DWG.

150 - Issue P/O to ATG: 039182 - ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1 WATER SEAL -Certificate of Conformity is required

MAR 02 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
M6061T6R4.000	6061-T6 Round Bar 4.000"	.6000 ft (.1 ea)	90-Start up Operation	

Part Specifications

Specifications could not be found.

Plex 1/18/18 1:20 PM Dart.lajeunesse.marie

MAL 3-21



Container No: S044176



Part: RBT112800-1

Job No: 170701

Serial No/Batch: S044176

Revision: RBT112800

Inspector:

Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 813 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Date: 02/21/18

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

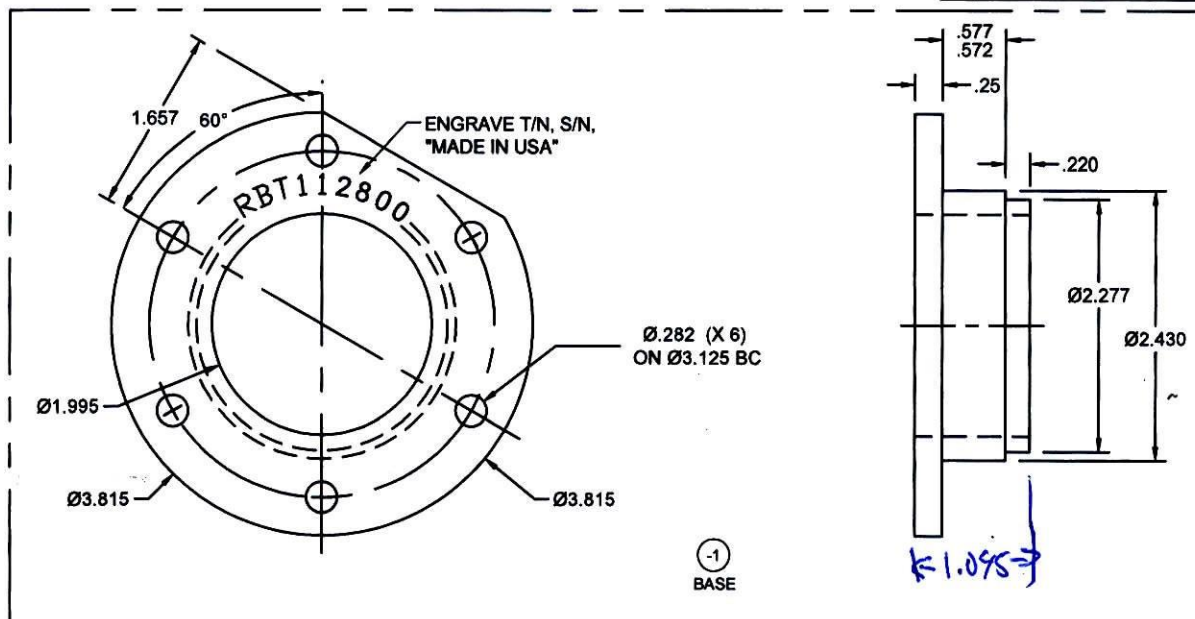
QA Closed: _____ Date: _____

Work Order update only ☐

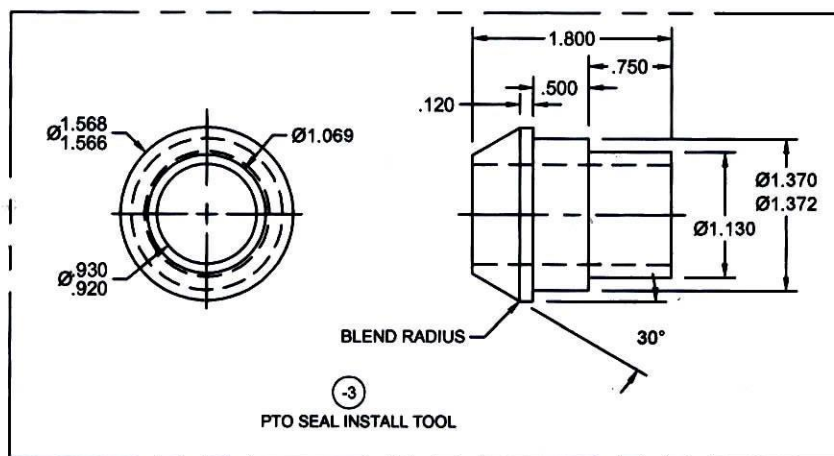
Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	UPDATED TOOL PER MAINTENANCE & ENGINEERING UPDATE.	4/12/02		
2	CHANGED -3 DIA. 1.363 & 1.53 TO SHOWN.	7/27/05		
3	ADDED FLANGE TRIM & -3 DIA. CHANGE FROM .850 TO .920.	5/15/06		
3A	CH'D TITLEBLOCK & REVISION BLOCK, ADDED ENGRAVE NOTE -1.	1/26/10	RJC	RW



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 170335 MCS
1801-15



ASSY QTY	ASSY QTY	B/O	PART #	QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS
		-1	1	1	BASE	6061	Ø3-7/8 x 1'
		-3	1	1	PTO SEAL INSTALL TOOL	6061	Ø1-9/16 x 1-7/8

RED BARN MACHINE	
TITLE PTO SEAL INSTALL TOOL	
DWG NO. RBT112800	REV 3A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	DRAWN BY: COLE
DECIMALS .XXX ± .005	APPROVED
FRACTIONS ± 1/32	TREAT
ANGLES ± 5°	FINISH AND DIZE CLEAR
	USED ON MODEL
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE NTS	DATE 11-29-01
SHEET 1 of 1	

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width:100%; border: none;"> <tr> <td style="width:15%;">Skid-tube ☐</td> <td style="width:15%;">Cross tube ☐</td> <td style="width:15%;">Water Jet ☐</td> <td style="width:15%;">Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐																						
Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐																						
Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐																						
Large Fab ☐	Composite ☐	Supplier ☐																							
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval																		
Description Work Order Deviation				Disposition																					
Root Cause		FAULT CATEGORY																							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____																							
Misidentified ☐	Past Due ☐																								



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039182

Supplier: ATG001-VC
A.T.G. Industries Inc
731 INDUSTRIELLE ROAD
ROCKLAND
ON
K4K 1T2 Canada
Phone: 613-446-4544
Fax: 613-446-4556

Attention: Lalonde, Marc-Andre

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO039182

PO Date: 3/2/18

Due Date: 3/16/18

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 14 2018

Via: Ground

Pynt Terms: Net 30

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	170833	D5501-3	Body, Lower Cutter, Short Issue P/O to ATG: _____ HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 PRIME AS PER IAW MIL- P-23377J TYPE 1 CLASS N ***1-2 MIL MAX AS PER QSI005*** As Per Dwg D5501 Rev. A7 Certification of Conformity is required	Firmed	3/26/18	6 pcs	0 pcs	6 pcs	\$16.33/pcs	\$97.98
2	170453	646.3210	Support Issue P/O to ATG : _____ 1- Hard Anodize Color Black and Prime as per Dwg 646.3200	Firmed	3/26/18	12 pcs	0 pcs	12 pcs	\$15.18/pcs	\$182.16
3	171981	646.3312	Center Plate Issue P/O to ATG : _____ Hard Anodize Color Black, Prime as per Dwg 646.3300 Rev. N/C	Firmed	3/26/18	20 pcs	0 pcs	20 pcs	\$12.88/pcs	\$257.60
4	170464	646.3610	Filler Issue P/O to ATG : _____ 1- Hard Anodize Black and Prime as per Dwg 646.3600	Firmed	3/26/18	12 pcs	0 pcs	12 pcs	\$7.43/pcs	\$89.16
5	170466	646.3711	Clip Issue P/O to ATG : _____ Hard Black Anodize and Prime as per Dwg 646.3700 Rev. A	Firmed	3/26/18	21 pcs	0 pcs	21 pcs	\$6.93/pcs	\$145.53
6	170467	646.3712	Clip Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as Per Dwg 646.3712 Rev. A	Firmed	3/26/18	19 pcs	0 pcs	19 pcs	\$6.93/pcs	\$131.67
7	170468	646.3713	Gusset Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as per Dwg 646.3700	Firmed	3/26/18	21 pcs	0 pcs	21 pcs	\$16.58/pcs	\$348.18

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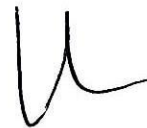
				Items								
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price		
8	170469	646.3714	Gusset Issue P/O to ATG : _____ Hard Anodize, Color Black and Prime as per Dwg 646.3700 Rev. A	Firmed	3/26/18	21 pcs	0 pcs	21 pcs	\$16.58/pcs	\$348.18		
9	173035	647.2114	Upper U Channel Issue P/O to ATG : _____ 1- Anodize as per MPP-172 sect. 2.1 2- Pretreatment as per MPP-172 sect. 3.3 3-Prime as per MPP-172 sect. 4.3 As Per Dwg 647.2100 Rev. E	Firmed	3/26/18	10 pcs	0 pcs	10 pcs	\$12.08/pcs	\$120.80		
10	172472	647.7820	Cross Bracket Aft Outsource process-Anodize per QSI017 4.1.10.1 Issue P/O TO ATG: _____ Anodize & prime as per Dwg. 647.7800	Firmed	3/26/18	1 pcs	0 pcs	1 pcs	\$12.08/pcs	\$12.08		
11	171212	647.7911	Bracket Issue P/O to ATG: _____ AS PER MPP-172 SECTION 2.1, HARD ANODIZE COLOR BLACK, PER IAW MIL-A-8625 TYPE 3 CLASS 2 AS PER MPP-172 SECTION 4.2, PRIME AS PER IAW MIL-PRF-23377 TYPE 1 CLASS N as per Dwg 647.7900 Certification of Conformity is required	Firmed	3/26/18	9 pcs	0 pcs	9 pcs	\$7.73/pcs	\$69.57	✓ 9x AT 18/03/14	
12	171380	RBE350A93-3302-02-1	Handle -Issue P/O to ATG: _____ -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As Per Dwg RBE350A93-3302-02-1 Rev. 11 -Certificate of Conformity is required	Firmed	3/16/18	6 pcs	0 pcs	6 pcs	\$6.08/pcs	\$36.48	✓ 6x AT 18/03/14	
13	170577	RBE350A93-3500-00-1	Body -Issue P/O to ATG: _____ -ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1, Water sealant as per Dwg RBE350A93-3500-00-1 Rev. 3A -Certificate of Conformity is required	Firmed	3/16/18	6 pcs	0 pcs	6 pcs	\$5.51/pcs	\$33.06	✓ 6x AT 18/03/14	
14	171139	RBE350A93-3501-20	Extraction Tool, Hydraulic Pump Pulley Bearing -Issue P/O to ATG: _____ -ANODIZE COLOR BLACK, PER IAW MIL-A-8625F TYPE 2 CLASS 2, Water sealant As Per Dwg RBE350A93-3501-20 Rev. E -Certificate of Conformity is required	Firmed	3/19/18	20 pcs	0 pcs	20 pcs	\$5.51/pcs	\$110.20	✓ 20x AT 18/03/14	
15	170701	RBT112800-1	Base -Issue P/O to ATG: _____ ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1 WATER SEAL As per Dwg RBT112800 Rev. 3A -Certificate of Conformity is required	Firmed	3/19/18	6 pcs	0 pcs	6 pcs	\$5.51/pcs	\$33.06	✓ 6x AT 18/03/14	

3/14/2018

PURCHASE ORDER

				Items						
Line Item	Job	Part	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
16	171571	SWA6A-800A	Connector Bushing -Issue P/O to ATG: _____ ANODIZE COLOR CLEAR, PER IAW MIL-A-8625F TYPE 2 CLASS 1 WATER SEAL As Per Dwg SWA6A800 Rev. 4 - Certificate of Conformity is required	Firmed	3/19/18	20 pcs	0 pcs	20 pcs	\$7.33/pcs	\$146.60
										Grand Total: \$2,162.31
Order Notes										
Procurement Quality Clauses A005 right of entry A012 chemical and physical test report A016 personnel qualification A017 raw material identification (as applicable) A022 Apical Processing A024 process certifications A026 certification of material conformance A041 quality management system A042 dart notification by supplier A043 retention of quality documents A048 counterfeit parts avoidance, detection, mitigation and disposition program A049 supplier awareness Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.										

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A.T.G. Industries Inc.
731 Industrielle Street
Rockland, ON K4K 1T2
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

Pack List

Number: 914769

Date: 15-Mar-18

To

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ship To

Diane Baker
Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

Terms		Ship Via	
		OUR TRUCK	
Quantity	Description		
	Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.		
6 ea	Part: RBT112800-1 Base Anodize per MIL-A-8625F, Type II, Class 1, Clear, .0004-.0010" (.4 - 1 mils) Water Seal Job: 22645	Rev: 3A PO: PO039182 Line: 15	JAS 38 3-89
20 ea	Part: SWA6A-800A Connector Bushing Anodize per MIL-A-8625F, Type III, Class 1, Clear, .0007-.0020" (.7 - 2 mils) Water Sealant Job: 22646	Rev: 4 PO: PO039182 Line: 16	
CERTIFICATE OF CONFORMANCE A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements. Date: <u>15/3/18</u> Certified Signature: <u>[Signature]</u> Receiver Signature: _____ A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited. Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.			
Made in Canada.			